



## Mini 4300 Series Industrial Inkjet Printbar System

*Based on Fujifilm Samba Technology*

The Mini 4300 Printbar System can easily be integrated into an existing manufacturing process or be used as an application/process development tool. This complete system is available with 1, 2, 3 or 4 printbars for your specific application. Each Printbar contains a single 1200 DPI resolution Samba Micro Electro-Mechanical (MEMs) printhead.

**Samba**  
Mini 4300 Series Printbar



## The Power of Fujifilm Inkjet Technology

Fujifilm introduces the Samba Mini 4300 Series Printbar System, a print system designed to bring the capabilities of high resolution and speed using the Samba MEMs inkjet printheads to your development and production environments.

Now you can boost your business by adding an inline digital printing system for a wide range of personalized or data printing applications including text, logos, QR and barcodes and graphics. You can quickly use this system to develop functional fluid applications such as printed electronics, 3D printing and bio-printing.



This system allows the flexibility and versatility needed to explore and develop all your in-line digital printing needs.

### Raising the Bar in Printing

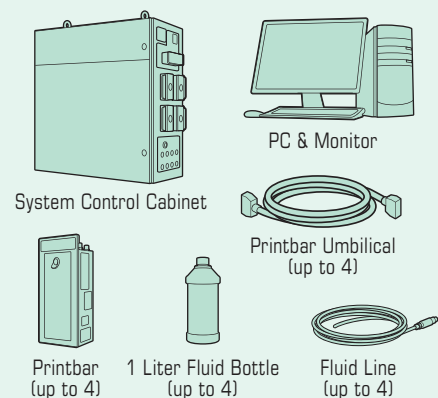
Samba drop-on-demand inkjet printheads deposit billions of drops per second, each directed to a precise location, producing high-resolution single pass imprints at an incredible speed. Each Industrial Silicon MEMs constructed printhead within a printbar has 2,048 nozzles to deliver a native 1200 dpi resolution with an ink drop size as small as 3 picoliters (pl) for outstanding fine graphic quality. The patented RediJet Ink recirculation system ensures printbars are instantly primed, resulting in faster time to print, minimal ink waste and improved reliability.

### Versatility Tuned to Your Business

The flexibility of the Samba Mini 4300 Series Printbar Inkjet System makes ink jet application development and digital imprinting within manufacturing a possibility. Fujifilm Dimatix printheads are a proven product which can use various fluids. The ability to host multiple fluids including: Spot colors, whites, protective/decorative varnishes and functional fluids.

The Samba Mini Printbar is easily integrated within your environment and comes complete with an engineering user interface to get up and running quickly.

#### Samba Mini 4300 Series Printbar System



Parameter	Samba Mini 4300 Series Printbar
<b>Printbars</b>	Up to 4 discrete printbars
Line speed	up to 1000 fpm [300 m/min]*
Number of colors (fluids)	Up to 4 individual fluids (1 fluid per printbar)
Print width per printbar	Single head wide 1.7 in. [43 mm]
<b>Fluid Parameters</b>	
Compatible jetting fluids	UV curable, hybrids, solvents and functional
Maintenance	Manual maintenance
Curing	Not included
Delivery	Recirculating heated ink system
<b>Print Parameters</b>	
Input image file format	Many graphics files [TIFF, JPEG, PDF, EPS, AI, PSP, BMP] binary and grayscale
Cross process resolution	1200 dpi
Process resolution	up to 2400 dpi
Smallest font	4 pt*
Nominal drop size	3 pl or 5 pl
Media handling	Optional roll to roll system available for purchase
<b>Control Parameters</b>	
Image alignment	Encoder/trigger inputs
Control system	Windows® 7 Graphical User Interface
Interfaces	GUI or remote application over IP
Variable data	Yes
<b>Physical Parameters</b>	
Printbar dimensions	Height = 22.875 in. [58.10 cm], depth = 3.625 in. [9.2 cm], width 7.50 [19.05 cm]
Power	Universal 110-240 single phase VAC 50/60 Hz 10 amps

\*capabilities may vary depending on application



Graphics



Electronics



Displays



Life Science



Functional



Photovoltaics



Imprinting/Packaging

[www.fujifilminkjet.com](http://www.fujifilminkjet.com)

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